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- 1. Method of transmitting data packets from a transmitter to a receiver, wherein an indicator is sent along with each data packet of the data packets; wherein the indicator indicates whether the respective data packet is a new data packet or a resent data packet; wherein, when the receiver receives a data packet with an error, the receiver sends a first confirmation message to the transmitter; wherein, when the receiver decodes a first data packet without an error, which data packet was sent along with the indicator indicating that the first data packet is a new data packet after the receiver has sent a first confirmation message with respect to a second data packet, the receiver sends a second confirmation message to the transmitter; wherein the second confirmation message tells the transmitter to re-send the second data packet.
 - 2. The method of claim 1, wherein, when the receiver receives an error-free data packet, the receiver sends a third confirmation message to the transmitter;
- The method of claim 1, wherein the second data packet is re-sent without data.
- 4. The method of claim 1, wherein the second data packet is re-sent with one of a part of the data originally included in the second data packet and the complete data originally included in the second data packet.
 - 5. The method of claim 1, wherein, instead of re-sending the second data packet, the transmitter ignores the second confirmation message and sends a new third data packet.
 - 6. The method of claim 1, wherein the indicator has a length of 1 bit.

7. The method of claim 1, wherein the method is an extension of the HARQ protocol in UMTS; and wherein the indicator is sent via the High Speed Shared Control Channel of UMTS.

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- 8. System for transmitting data packets from a transmitter to a receiver, wherein the transmitter sends an indicator along with each data packet of the data packets; wherein the indicator indicates whether the respective data packet is a new data packet or a re-sent data packet; wherein, when the receiver decodes a data packet with an error, the receiver sends a first confirmation message to the transmitter; wherein, when the receiver decodes a first data packet without an error, which data packet was sent along with the indicator which indicates that the first data packet is a new data packet after the receiver has sent a first confirmation message with respect to a second data packet, the receiver sends a second confirmation message to the transmitter; wherein the second confirmation message tells the transmitter to re-send the second data packet.
 - 9. The system of claim 1, wherein the system is a UMTS mobile telecommunication system; and wherein the indicator is sent via the High Speed Shared Control Channel of UMTS.
- 10. Base station for a mobile radio communication system, wherein the base station comprises a transmitter for transmitting data packets to a receiver of the mobile radio communication system; wherein the transmitter is adapted to send an indicator along with each data packet of the data packets; wherein the indicator indicates whether the respective data packet is a new data packet or a resent data packet; wherein, when the transmitter decodes a second confirmation message from the receiver which indicates that the receiver decoded a first data packet without an error, which data packet was sent along with the indicator indicating that the first data packet is a new data packet after the receiver has sent a first confirmation message with respect to a second data packet, the first confirmation message indicating the decoding of the

second data packet with an error, the transmitter is adapted to re-send the second data packet.

- Mobile subscriber station for a mobile radio communication system, 11. wherein the mobile subscriber station comprises a receiver for receiving data packets from a transmitter of the mobile radio communication system, wherein the transmitter sends an indicator along with each data packet of the data packets; wherein the indicator indicates whether the respective data packet is a new data packet or a re-sent data packet; wherein, when the receiver decodes a data packet with an error, the receiver is adapted to send a first confirmation message to the transmitter; wherein, 10 when the receiver decodes a first data packet without an error, which data packet was sent along with the indicator indicating that the first data packet is a new data packet after the receiver has sent a first confirmation message with respect to a second data packet, the receiver is adapted to send a second confirmation message to the 15 transmitter; wherein the second confirmation message tells the transmitter to re-send the second data packet.
- Computer program for controlling a transmission of data packets from a 12. transmitter to a receiver of a mobile radio communication system, wherein, when the computer program is executed on the mobile radio communication system, the 20 computer program causes that: the transmitter sends an indicator along with each data packet of the data packets; wherein the indicator indicates whether the respective data packet is a new data packet or a re-sent data packet; when the receiver decodes a data packet with an error, the receiver sends a first confirmation message to the transmitter; when the receiver decodes a first data packet without an error, which data packet was 25 sent along with the indicator indicating that the first data packet is a new data packet after the receiver has sent a first confirmation message with respect to a second data packet, the receiver sends a second confirmation message to the transmitter; and the transmitter re-sends the second data packet upon reception of the second confirmation message. 30